Replacement Sheet

COMPUTER   150

APPLICATION   105

PRINTER DRIVER   110

PORT MONITOR/NETWORK
LAYER 115

— 120   — 112

NETWORK PORTS
125

NETWORKED
DEVICE
100

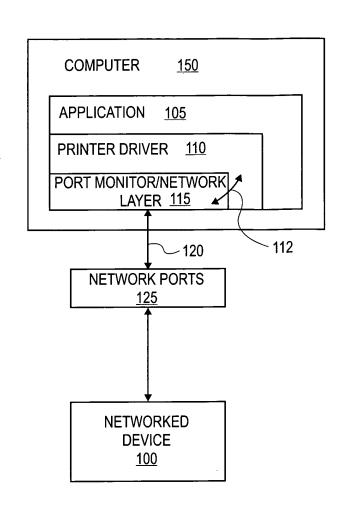# FIG. 1

(PRIOR ART)

Blakely, Sokoloff, Taylor & Zafman LLP   (503) 439-8778
Title: METHOD AND APPARATUS FOR EMULATING A LOCAL DATA PORT
1st Named Inventor: Kevin W. Bross
Application No.: 09/540,785   Docket No.: 42390P8413
Sheet: 2 of 6

Replacement Sheet

COMPUTER   250

APPLICATION   105

PRINTER DRIVER   110

PORT MONITOR/NETWORK
LAYER   115

DEVICE COMMUNICATION
LAYER   210

215

209

PARALLEL PORT (LPT1)
220

LOCAL CONNECTED
DEVICE
200

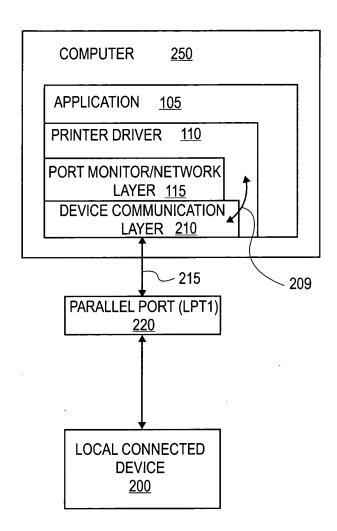# FIG. 2
(PRIOR ART)
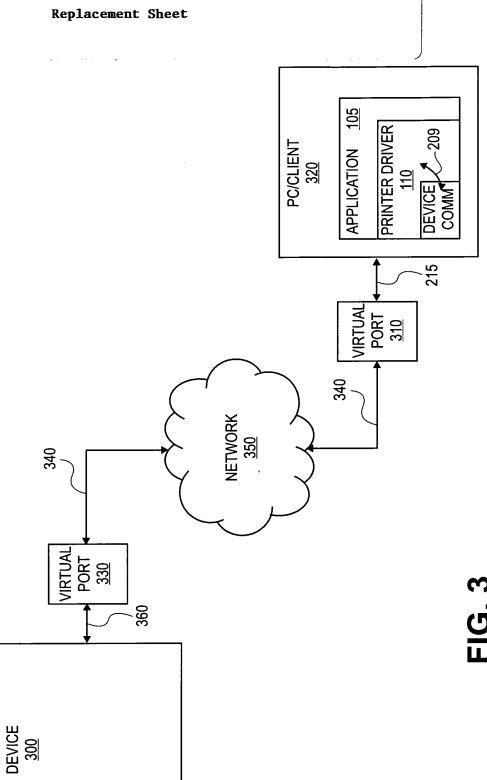
Blakely, Sokoloff, Taylor & Zafman LLP   (503) 439-8778
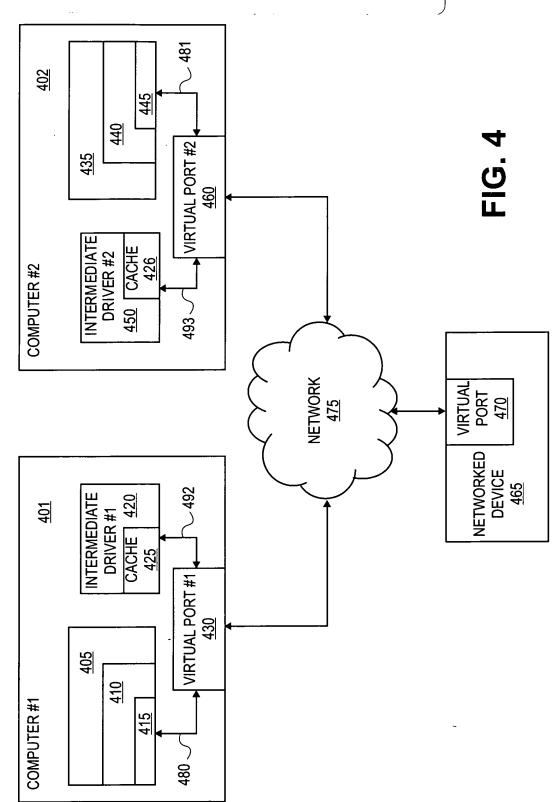Title: METHOD AND APPARATUS FOR EMULATING A LOCAL DATA PORT
1st Named Inventor: Kevin W. Bross
Application No.: 09/540,785   Docket No.: 42390P8413
Sheet: 3 of 6

Replacement Sheet

PC/CLIENT 320

APPLICATION 105

PRINTER DRIVER 110

DEVICE COMM 209

215

VIRTUAL PORT 310

340

NETWORK 350

340

VIRTUAL PORT 330

360

DEVICE 300

FIG. 3

Replacement Sheet

FIG. 4

Replacement Sheet

RECEIVE A SIGNAL
FROM A LOCAL DEVICE
510

CONVERT SIGNAL TO A
NETWORK PORT PACKET
DATA SIGNAL TO
EMULATE A LOCAL DATA
SIGNAL PORT
520

TRANSMIT NETWORK PORT
PACKET DATA SIGNAL TO
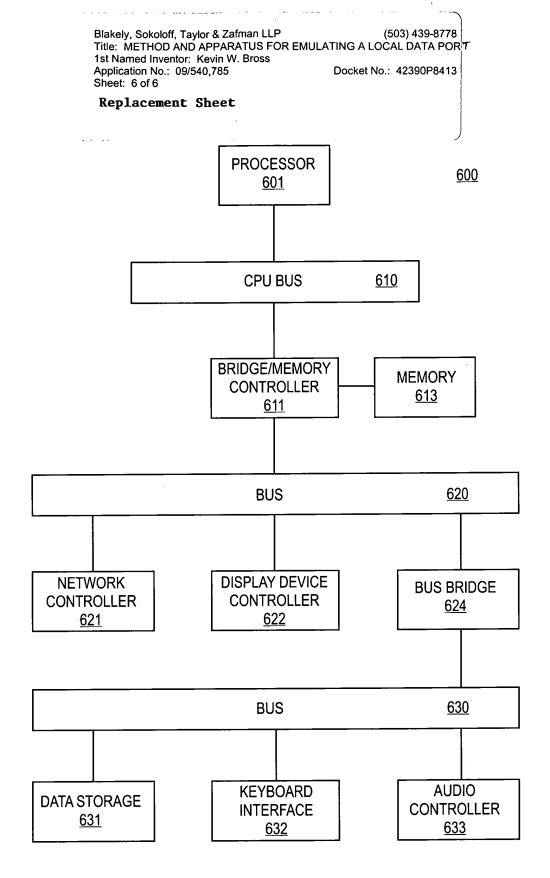REMOTE DEVICE OVER A
NETWORK CONNECTION
530

FIG. 5

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Application No.: 09/540,785   Docket No.: 42390P8413
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Replacement Sheet

FIG. 6